Please type a plus sign (+) inside this box

+ Approx or use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of 2

Complete if Known				
Application Number	10/075909			
Filing Date	February 13, 2002			
First Named Inventor	Nicole Chantel Barvian	Ξ		
Group Art Unit	1646			
Examiner Name	Not Yet Assigned	7		
Attorney Docket Number	A0000517-01-CFP	<u> </u>		

							1
				U.S. PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	U.S. Paten Number	Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Linee, Whore Rolevant Clay Passenges or Referent Figures Appear Sub	
TM		5,948,7	80	Peterson Jr., et al	09/07/1999	1514/255	S
TM		6,008,2	43	Bender, et al	12/28/1999	514/422	2
	-						_
							_
				· · · · · · · · · · · · · · · · · · ·			_
							_
							_
							_
							_

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Office ³	Foreign Patent Docum Number ⁴	Kind Code ⁵	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6	
TWI		WO	01/63244 A1		Chen, et al	08/30/2001	riquies Appear		
					· · · · · · · · · · · · · · · · · · ·	 		╁	
			·					上	
		-	 :					+	
								I	
	-					+ +		╁	
								1	

Examiner		Date	1 - (
Signature	111-000	Considered	10127103
Signature	- 00-870-	Considered	10/21/00

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the senal number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE to a collection of information unless it contains a valid OMB control number.

are required to res Under the Paperwork Reduction Act of 1995, no per Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) Sheet 2 2

C m _F	ol te if Kn wn	_ '
Application Number	10/075909	
Filing Date	February 13, 2002	
First Named Inventor	Nicole Chantel Barvian	
Group Art Unit	1646	Ĭ
Examiner Name	Not Yet Assigned	<u> </u>
Attorney Docket Number	A0000517-01-CFP	Ž

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	3
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	00/2900
TH	/	MONTANA, John, et al, "The design of selective non-substrate-based matrix metalloproteinase inhibitors", Current Opinion in Drug Discovery & Development, 2000; 3(4), pp 353-361	00
TM	/	CLARK, Ian, et al, "Matrix metalloproteinase inhibitors in the treatment of arthritis", Current Opinions in Anti-inflammatory & Immunomodulatory Investigational Drugs, 2000; 2(1), pp 16-25	
M	V	CHEN, James, et al, "Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design", J. Am. Chem. Soc., 2000, 122; pp 9648-9654 .	
		,	
			_

Examiner Date Signature Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
		٠.	_

Complete if Kn wn				
Application Number	10/075909			
Filing Date	February 13, 2002			
First Named Inventor	Nicole Chantel Barvian			
Group Art Unit	1646			
Examiner Name	Unknown			
Attorney Docket Number	A0000517-01-CFP			

				U.S. PATENT DOCU	IMENTS		
Examiner Initials*	Cite No.1	U.S. Pater Number	Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevent Figures Appetant Is	
						<u> </u>	
							۲
						STA .	=
						=======================================	-
						70	سر
							2
						1600/290	7007
							7
						90	

				FOR	EIGN PATENT DOCUMENTS	3		
Examiner	Examiner Cite		Foreign Patent Docum		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Initials*	No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T6
TN1		EΡ	0 418 797 A2		Baader, Ekkehard, et al	03/27/1991		
TNI		EP	0 260 057 A2		Schmalzl, Karl John, et al	03/16/1988		
1	/	ЛР	08 151380 A			06/11/1996		
-		ЛР	04 840783 A			06/15/1973	COPY TO FOLLOW	

Examiner Signature	MISon	Date Considered	10/30/03
		337.0.337.03	101-01-0

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

2

PPLEMENTAL DISCLOSURE **ATEMENT BY APPLICANT**

> (use as many sheets as necessary) of

2

Complete if Kn wn				
Application Number	10/075909			
Filing Date	February 13, 2002			
First Named Inventor	Nicole Chantel Barvian			
Group Art Unit	1646			
Examiner Name	Unknown			
Attorney Docket Number	A0000517-01-CFP			

-		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		-						
Examiner nitials*	include name of the author (in CAPITAL LETTERS) title of the article (when appropriate) title of the									
W	/	PCT INTERNATIONAL SEARCH REPORT FOR PCT/IB02/00190 FILED JANUARY 18, 2002 •								
	/	CHEMICAL ABSTRACTS, Vol. 125, No. 13, 1996, Abstract No. 167964d & FUKUDA ET. AL., XP-002198554								
	DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 786662, XP-002198556, BEILSTEIN, 1988.	2900								
	ν	SHKURKO, et al, Khim. Geterotsikl. Soedin., 1977; 6; pp 821824 - HARD COPY TO FOLLOW								
	V	DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 7297869, XP-002198557, BEILSTEIN, 1988.								
	V	XAMAMOTO, et al, "Direct Introduction of ACYL and Ethoxycarbonyl, Groups Into Pyrimidine Ring Through the Trimethyl-Stannyl Derivatives" Heterocycles, 1995; 41(6); pp 1275-1290								
		DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 139954, XP-002198558, BEILSTEIN, 1988.								
	V	J. Chem. Soc., 1959; pp 525-530, HUNTET. AL.								
	/	DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 791572 XP-002198559, BEILSTEIN, 1988,								
	/	SAKASAI, et al, "Studies in Pyrimidine Derivatives. XVII. Synthesis of Pyrimidine-4-Carboxylic Esters Meterocycles, 1979; 13; pp 235-236 •	,							
hy		CHEMICAL ABSTRACTS, Vol. 79, No. 11, Abstract No. 663944 XP-002198555								
			DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 786662, XP-002198556, BEILSTEIN, 1988. SHKURKO, et al, Khim. Geterotsikl. Soedin., 1977; 6; pp 821824 - HARD COPY TO FOLLOW DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 7297869, XP-002198557, BEILSTEIN, 1989. XAMAMOTO, et al, "Direct Introduction of ACYL and Ethoxycarbonyl, Groups Into Pyrimidine Ring Through the Trimethyl-Stannyl Derivatives" Heterocycles, 1995; 41(6); pp 1275-1290, DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 139954, XP-002198558, BEILSTEIN, 1988. J. Chem. Soc., 1959; pp 525-530, HUNTET. AL. DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 791572 XP-002198559, BEILSTEIN, 1978, SAKASAI, et al, "Studies in Pyrimidine Derivatives. XVII. Synthesis of Pyrimidine-4-Carboxylic Esters Heterocycles, 1979; 13; pp 235-236.	DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 786662, XP-002198556, BEILSTEIN, 1988. SHKURKO, et al, Khim. Geterotsikl. Soedin., 1977; 6; pp 821824 - HARD COPY TO FOLLOW DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 7297869, XP-002198557, BEILSTEIN, 1988. XAMAMOTO, et al, "Direct Introduction of ACYL and Ethoxycarbonyl, Groups Into Pyrimidine Ring Through the Trimethyl-Stannyl Derivatives" Heterocycles, 1995; 41(6); pp 1275-1290, DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 139954, XP-002198558, BEILSTEIN, 1988. J. Chem. Soc., 1959; pp 525-530, HUNTET. AL. DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 791572 XP-002198559, BEILSTEIN, 1988, SAKASAI, et al, "Studies in Pyrimidine Derivatives. XVII. Synthesis of Pyrimidine-4-Carboxylic Esters", Heterocycles, 1979; 13; pp 235-236.						

Examiner Signatur	Mon	Date Considered	10/30/03
			· · · · · · · · · · · · · · · · · · ·

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

#6

JUL 2 8 2003 FORM PT (R. 192-32)

FORM PTO-1449 U.S (R 2-32) CO

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. A0000517-01-CFP SERIAL NO. 10/075,909

JPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATEMENT BY APPLICANT

(Use several sheets if necessary)

Barvian, et al

FILING DATE February 13, 2002

APPLICANT

GROUP

.

1624

											U	J.S	. PAT	EN1	r DO	CUN	MĒN'	TS			
EXAMINER INITIAL		DOCUMENT NUMBER								BE			DATE NAMÉ						CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
				L												<i>,</i>					
		_		_		_	L	L	L	L											
			Ц	L	L		L		L	L	L								-		·
																				RI	CEIVED
	Ц		Ц	_		L	Ļ	L	L	L	Ц	Щ								J	UL 3 0 2003
			Н				-	-			H									TECH (CENTER 1600/2900
			П				Γ	Γ													

DOCUMENT NUMBER COUNTRY DATE CLASS SUBCLASS TRANSLATION INVENTORS YES NO 0. 02/24/00 WO 9 4 8 5 MCCLURE ET. A. х 0 1 2 1 02/22/01 WO 6 BLAGG x 0 2 3 4 7 2 6 05/02/02 WO NOTE ET. AL. Х 0 2 3 4 7 5 | 3 | 05/02/02 WO BRONK Er. AL. X 0 3 5 9 | 6 | 3 | 08/18/99 MCCLURE ET. AL х 3 8 8 0 6 10/04/01 EP x NOE ER AU. 3 9 7 8 4 06/19/03 WO WEITH MANNET. BL. X 2 0 4 5 8 08/22/02 WO 6 6 BARVIAN ET. AL x 0 4 1 8 7 9 7 03/27/91 EP BAADER ET. M. х 0 4 6 3 5 9 2 01/02/92 EP BAADER ET AT. х

FOREIGN PATENT DOCUMENTS

OTHER DO	OCUMENTS (Including Author, Title, Date, Pertinent Pages, etc)
EXAMINER	DATE CONSIDERED 10/30/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ANY COPIES OF DOCUMENTS LISTED ON THIS FORM PTO-1449 SHOULD HAVE CERTAIN INFORMATION PLACED ALONG THE LEFT SIDE OF THE DOCUMENT. INFORMATION SUCH AS DOCKET NUMBER, FILING DATE, SERIAL NUMBER, ART UNIT, ETC.